

Soc Virnyl Estela

Backend Engineer | Rust • Go • Python (FastAPI) • AWS

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Backend engineer with experience in Rust, Go, and AWS, building high-performance services and developer tooling. My background in technical writing and teaching strengthens my ability to design clear APIs, write maintainable systems, and produce high-quality documentation. Open-source contributor and maintainer with a strong focus on performance, automation, and CI/CD.

Technical Skills

Programming Languages: Rust, Go, Python, TypeScript, Bash

Backend & APIs: FastAPI, ExpressJS, Hono, NodeJS, Postgres, SQLite, Redis

Web: React, Redux Toolkit, NextJS, Vite, wagmi, Node, Deno

DevOps & Tooling: Docker, AWS, GitHub Actions, CI/CD, Linux

Documentation and Writing Tools: Markdown, Typst

Professional and Work Experience

Software Developer (Git, GitHub, CI/CD, Python, Rust, Golang, AWS) Block Liquidity — 📍 United Kingdom — 🌐 <https://blockliquidity.xyz>

📅 October 2025 - January 2026

- Built multiple services and modules to process **1000+ data streams per second** for a notification system using Rust ensuring that users receive accurate real-time notifications.
- **Sped up slow SQL queries from minutes down to milliseconds** for a Postgres database by using native types and best practices when rewriting SQL ensuring data is loaded fast in the platform.
- Built an API in Postgres, Redis and Rust manage alerts, increasing and simplifying the overall process with **80% increase in response times due to faster data (de)serialisation** increasing speed, flexibility and maintainability.

Technical Content Developer (Git, GitHub, Rust, React, Deno, NodeJS, Hono, Solidity, Web3) TRIBE — 📍 Singapore — 🌐 <https://tribex.co>

📅 Mar 2024 - June 2025

Boosted number of learners, from **300 to 1000+** on the [StackUp platform](#) through tutorials on key technologies (**React, Node.js, Rust, Deno**), and as a mentor and community member.

- [Rust Pathway](#): a series of **Rust** tutorials and campaigns
- [Fuel Up Your API Development with Hono and Deno](#): a introductory tutorial for backend development and authentication using **Hono** and **Deno**.
- [The Deno Learning Modules](#): A series of tutorials using **Deno** as the Javascript runtime for web development.
- [Learn authentication and authorisation with ExpressJS](#): a introductory tutorial for backend development using **Node.js** and **ExpressJS**.
- [StackUp Forums](#): a microblogging project using blockchain to store posts and comments with **Solidity, React, viem, wagmi, foundry**, and **Typescript**.

Open Source Experience

Core Developer/Maintainer OBS Service Cargo — 🌐 <https://github.com/openSUSE-Rust/obs-service-cargo>

📅 2022 - present

Automation tool for **Rust software packaging** written in **Rust** with **100% test coverage**.

- The **ONLY** tool for <https://build.opensuse.org> to **automate packaging** of **Rust** software in openSUSE.

Core Developer/Maintainer Roast — 🌐 <https://github.com/openSUSE-Rust/roast>

📅 2024 - present

Archiving tool written in **Rust** using test-driven development. Supports **GZ, ZSTD, XZ** and **BZ** compression.

- Achieved **70% increase in performance**, shortening the time to create highly compressed archive tarballs.
- Has **100% test coverage** to ensure consistent behaviour such as **deterministic creation of tar archives to conform with Reproducible Builds**.
- Has **Git feature** allowing users to **create tarballs straight from a valid remote Git repository for easier UX**.

Organization Admin/Member Waycrate — 🌐 <https://waycrate.github.io>

📅 2022 - present

A community of open-source enthusiasts and contributors.

- **Became a Mentor Organization for Google Summer of Code:** [Google Summer of Code 2024](#) and [Google Summer of Code 2025](#)
- **Inspired** new developers to **participate** and **contribute** to **open-source**.

Member and Volunteer 🐧 openSUSE — 🌐 <https://opensuse.org>

📅 2021 - present

A **Linux community** of desktop users, developers and open-source contributors.

- **Software Packager** of **100+ software packages** for the openSUSE project: <https://build.opensuse.org/users/uncomfyhalomacro>.
- **Software Developer** of openSUSE's Rust packaging tool for [openSUSE Build Service](#) called [OBS Service Cargo](#).

Core Developer/Maintainer Bunny — 🌐 <https://github.com/uncomfyhalomacro/bunny>

📅 July 2025

A **markdown parser library and static site generator** written in **Hare**, a systems programming language.

- **Won 1st place** with <https://github.com/uncomfyhalomacro/bunny> in the amateur category of [Boot.dev 2025 Hackathon](#).

Education

Programmer/Software Developer (self-taught)

📅 2020 - present

- **Completed** the fundamentals of **backend development** focusing on Golang and Typescript at [Boot.dev](#) as **professional development certification or course**. Progress and certificates at [Boot.dev](#): <https://www.boot.dev/u/uncomfyhalomacro>.
 - **Skills Learned:** *Git, Golang, Data Structures and Algorithms, Python, DevOps, AWS, RabbitMQ, RAG, Linux, AI Agents, Kubernetes, CI/CD with Docker and GitHub Actions (and more at <https://www.boot.dev/u/uncomfyhalomacro>)*

BSc. in Biology (Microbiology) — Mindanao State University - Iligan Institute of Technology — 📍 Philippines

🌐 <https://www.msuiit.edu.ph>

📅 2018 - 2022

Academic Distinction: *Cum Laude* **GPA 1.593**